

# Aircraft Deicing Fluids Committee

## New Orleans, May 2013

# Brief update of AS5900

Eric Villeneuve, M.Sc.A. Eng jr.  
Université du Québec à Chicoutimi



Laboratoire international  
des matériaux antigivre

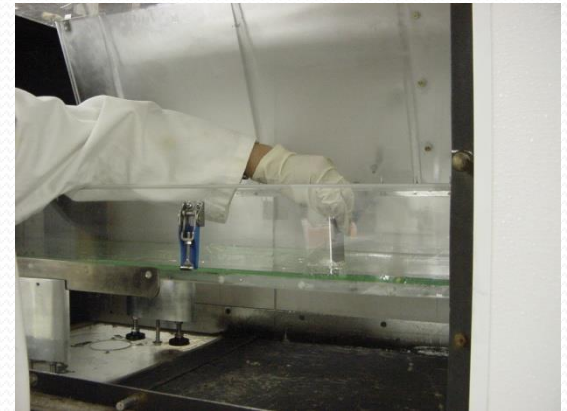
LIMA  AMIL

Anti-icing Materials  
International Laboratory

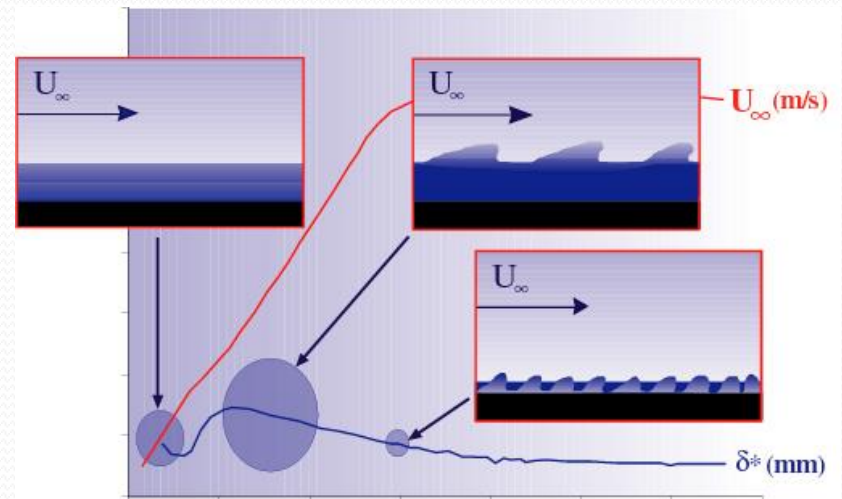
# Aerodynamic Acceptance – AS5900



Tests performed in wind tunnel between 0 and  $-50^{\circ}\text{C}$



Airflow simulating an aircraft take-off (rotation):  
wind acceleration of  $2.6 \text{ m/s}^2$  to maximum air velocity of  $65 \text{ m/s}$ .



**Current Revision B, published in 2007**

# Proposed changes for Revision C

- Minor editorial changes and some corrections already done.
- Rewordings in section 3 (TEST FACILITY REQUIREMENTS) are being drafted and studied. Those modifications aim at adding clarifications to wind tunnel specifications without modifying any minimum requirements.
- This should be ready and presented at the next meeting in Montreal 2013.

# Proposed changes for Revision C

**Ballot of revision C is not planned yet.**

# Performance Review Institute (PRI) Accreditation

Taken from AS5900

## -1.2 Fluid Acceptance and Facility/Site Qualification:

“substantiation that the facility and associated staff and resources satisfy **the requirements of this test method shall be documented and submitted to the Performance Review Institute**, 161 Thornhill Road, Warrendale, PA 15086-7527, United States of America, or equivalent qualified third party reviewers, to qualify the technical suitability and competency of the test site/facility. **Such test site/facilities shall be qualified at five-year intervals** by submitting current data, which demonstrate that, the facility, procedures, supporting resources, and staff continues to produce acceptable data.”

# Performance Review Institute (PRI) Accreditation


- Previous accreditation in 2007, with expiration on October 31<sup>st</sup> 2012.
- Reaccreditation process was in September 2012.





# Performance Review Institute (PRI) Accreditation

## Editorial changes to AC3001 Leads to Revision A

 <b>AUDIT CRITERIA</b>  161 Thorn Hill Road Warrendale, PA 15086-7527	<b>AC 3001 REV. A</b> <b>DRAFT</b>
	Issued 1997-10
	Revised 2012-07 Superseding AC3001 Rev NC
<b>AUDIT CRITERIA FOR COMPLIANCE TO SAE AS5900</b>	

1. **SCOPE**

These audit criteria were developed to establish a checklist to be utilized in the demonstration of compliance to SAE AS 5900, SAE AMS 1424 and SAE AMS 1428.

2. **GENERAL INFORMATION**

2.1 Facility Name \_\_\_\_\_

2.2 Contact \_\_\_\_\_

2.3 Types of Fluid Tested: \_\_\_\_\_



# Reaccreditation was given to AMIL with no minor or major Non Conformances.



*In accordance with PRI Program Document AC3001, Audit Criteria for compliance to SAE AMS 1424 and AMS 1428:*

## ***Anti-Icing Materials International Laboratory (AMIL)***

*Universite du Quebec a Chicoutimi  
Department des Sciences Appliquees  
555, Boulevard de l'Universite  
Chicoutimi Quebec, Canada G7H 2B1*

*Has had its facilities examined and approved through continuing audit procedures as established by the Commercial Aviation Accreditation conformance to the applicable specification requirements for the Aircraft Ground Deicing/Anti-Icing Aerodynamic acceptance test facilities.*

*This certificate is granted by authority of the Performance Review Institute for:*

## ***Testing of Deicing/Anti-Icing Fluids***

*Joseph G. Pinto, Vice President and Chief Operating Officer*

Certificate Number: 0001 – C  
Expiration Date: 31 October 2017  
Issue Date: 13 September 2012

*Performance Review Institute (PRI) 161 Thorn Hill Road Warrendale, PA 15086-7527*